To: Naranjo, Eugenia[Naranjo.Eugenia@epa.gov]; Vaughn,
Stephanie[Vaughn.Stephanie@epa.gov]
Cc: Willard Potter[otto@demaximis.com]; Mike Barbara[mab.environmental@gmail.com]
From: Robert Law
Sent: Wed 2/5/2014 10:08:23 PM
Subject: Fwd: RE: CPG's bioaccumulation model follow-up -> request for files prior to 2/13 meeting

Eugenia:

Here is the CPG's specific request:

●   HST/OC/CFT models:

o   Model code

o   Inputs and outputs for calibration and projection runs

o   Run scripts for the simulations

o   Main post-processing tools to extract variables for plotting (bed, water column)

o   Tools related to collapsing HST results to CFT grid

o   Brief readme file indicating

▪·   Folder structure

▪·   Description of what the tools and post-processor files are

o   CFT model sediment data usage:

▪·   GIS shapefile(s) of SWACs used to specify the model initial conditions for calibration (and projection, if applicable) for both:

●   Surface sediments (0-0.5 feet)

●   Subsurface sediments (>0.5 feet)

▪·   GIS shapefile(s) of data points used to compute the above SWACs, which includes the dataset and sample IDs

▪·   Documentation which includes:

●   Description of how the model initial condition files were created from the above SWACs

●   A list of datasets used in the generation of initial conditions

●   Bioaccumulation calculation:

o   Inputs (data sets) that EPA is using to generate BSAFs

o   Brief documentation of the statistical analyses and calculations used to generate BSAFs

▪·   Documentation is not needed if BSAFs are being used as a stopgap until the bioaccumulation model is ready, but we still would like to get the inputs

Begin forwarded message:

> **From:** "Naranjo, Eugenia" <Naranjo.Eugenia@epa.gov>
> **Date:** February 4, 2014 at 14:24:52 EST
> **To:** "Robert Law" <rlaw@demaximis.com>
> **Cc:** "Willard Potter" <otto@demaximis.com>, "Ray Basso" <Basso.Ray@epa.gov>, "Jennifer LaPoma" <LaPoma.Jennifer@epa.gov>, "Stephanie Vaughn" <Vaughn.Stephanie@epa.gov>, "Alice Yeh" <Yeh.Alice@epa.gov>, "Mike Barbara" <mab.environmental@gmail.com>
> **Subject: RE: CPG's bioaccumulation model follow-up -> request for files prior to 2/13 meeting**
>
> Rob,
>
> Please let us know what level of documentation you need (do you need specific details on how to use each file?). Do you also need the tools that were used for collapsing the hydro/sedtran, run scripts, post processing?
>
> Also, can you let us know where to send the files, please?
>
> Hydro/Sedtran - inputs = 5 Gb, outputs = 2990 Gb
>
> Collapsed Hydro/Sedtran - outputs = 900 Gb
>
> ST-SWEM - inputs = 1.1 Gb, outputs = 1,848 Gb
>
> RCATOX - inputs = 3.0 Gb, outputs = 48 Gb
>
> Total = 5795 Gb = 5.7 Tb
>
> Thanks,
>
> eugenia
>
> **From:** Robert Law [mailto:rlaw@demaximis.com]
> **Sent:** Tuesday, February 04, 2014 11:20 AM
> **To:** Naranjo, Eugenia
> **Cc:** Willard Potter; Basso, Ray; LaPoma, Jennifer; Vaughn, Stephanie; Mike Barbara
> **Subject:** Re: CPG's bioaccumulation model follow-up -> request for files prior to 2/13 meeting
>
> Eugenia:
>
> The CPG can provide this material (weather permitting) later this week. The CPG requests that

EPA provide the material that was requested in its December 20, 2013 transmittal letter which accompanied the modeling code and information that CPG has previously provided to EPA. Specifically as stated in the CPG's December 20, 2013 letter, *"the CPG requests that USEPA Region 2 provide the CPG with its most recent modeling codes, input and output files from its FFS modeling work including the BSAF calculations that it is using in lieu of a bioaccumulation model; the CPG believes the upcoming modeling meetings would greatly benefit and be more productive if both parties were familiar with all of the ongoing modeling efforts"*.

Please let me know if Region 2 can respond in kind.

Thank you.

R/

Rob

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>>> "Naranjo, Eugenia" <Naranjo.Eugenia@epa.gov> 2/3/2014 5:25 PM >>>

Rob,

In preparation for our bioaccumulation modeling meeting on February 13, we would like to take a look at the code and files specified below.

1) the code that extracts the output from the fate and transport model,

2) the version of the CPG's "dynamic bioaccumulation model input template" populated with the exposure concentrations corresponding to the fate and transport model output provided on 12/20/2013

3) the version of the "bioaccumulation model template - Dynamic" spreadsheet populated with the output of the dynamic bioaccumulation model, based on the exposure concentrations in the input template spreadsheet.

Also it appears that the "20131104 TCDD Tissue Projections - Adult Angler" spreadsheet did not include units for the tabulated values, can you please clarify the units?. And finally, it would also be helpful if the CPG could clarify:

1)the spatial extent of the river considered in these various files and confirm that they are all consistent.

2) The meaning and basis for the "Bioavailable concentration in water CWB ng/g" input parameter in the steady state model

Let us know if you can provide this and if we need to discuss (please cc Ed and Jonathan) . Thanks,

eugenia